

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	56	uber-arthur\$.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/22 15:46
L2	231	griffiths-david\$.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/22 15:46
L3	107	hirschman-alan\$.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/22 15:46
L4	324	1 2 3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/22 15:46
L5	63	4 and tissue	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/22 15:46
L6	36	5 and (needle pierc\$4 punctur\$4 penetrat\$4 stylet sharp)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/22 15:47
L7	630	medrad.as.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/22 15:52

L8	15942	non-coring noncoring non adj coring noncore non- core non adj core coring	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/22 15:52
L9	4	7 and 8	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/22 15:52
S1	1	"10599366"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/19 16:40
S2	8	((("6514267") or ("6379371") or ("6352519") or ("6361520") or ("4908045") or ("6746464") or ("6669685") or ("4960419")).PN.	USPAT; USOCR	OR	OFF	2010/01/20 13:00
S3	2	"20040147837"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/20 13:00
S4	2	"20050010095"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/20 13:00
S5	1	("6702761").PN.	USPAT; USOCR	OR	OFF	2010/01/20 13:02
S6	2	("0001234").PN.	USPAT; USOCR	OR	OFF	2010/01/20 13:02
S7	13	S2 S3 S4 S5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/20 13:02
S8	2	"20040147837"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/20 13:16

S9	429977	(remove removes removed removing) with (remain remains remaining)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/20 14:42
S10	49795	(needle needle-electrode penetrate penetrating) with (tissue)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/20 14:43
S11	4985	S9 and S10	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/20 14:44
S12	2498	S11 and (ablation ablated cauter\$5 electrocauter\$3 energy energiz\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/20 14:45
S13	4255	S9 with tissue	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/20 14:45
S14	643	S12 and S13	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/20 14:45
S15	75958	"606".clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/20 14:47
S16	297	S14 and S15	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/20 14:47
S18	19	S16 and cannula near3 guide	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/20 14:56

S19	173	stylet with cannula and stylet with (energy energiz \$3 current cauter\$3 electrocauter\$3 ablat\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/20 15:04
S20	100	stylet with remov\$3 and S19	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/20 15:04
S21	1006	stylet with (hard firm rigid)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/20 15:05
S22	32	S20 and S21	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/20 15:05
S23	780	non-coring noncoring non adj coring	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/20 17:06
S24	2401	non-coring noncoring non adj coring noncore non- core non adj core	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/20 17:06
S25	7	S24 and 606/41-52.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/20 17:06
S26	525197	(double two dual) near3 (tip point blade)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/20 17:11
S27	212	S24 and S26	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/20 17:11

S28	86	S27 and (RF ablat\$4 cauter\$4 electrocauter\$3 energiz\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/20 17:12
S29	3665	blunt near3 (stylet needle)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/20 17:19
S30	31	S29 and 606/41-52.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/20 17:19
S31	25	S30 and (suction\$3 vacuum aspirat\$4 fluid)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/20 17:20
S32	32764	(slender thin) with (tip distal catheter tube) and (suction\$3 vacuum aspirat\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/20 17:30
S33	418	S32 and 606/41-52.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/20 17:30
S34	71846	(small short shortened) near3 (diameter) and (suction\$3 vacuum aspirat\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/20 17:32
S35	511	S34 and 606/41-52.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/20 17:32
S36	372	S35 and ablat\$4 with tissue	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/20 17:42

S37	2	"20050010095"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/20 17:56
S38	700	S24 with (stylet tip needle)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/20 17:58
S39	2404	non-coring noncoring non adj coring noncore non- core non adj core	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/21 14:23
S40	96	S39 with (cannula trocar)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/21 14:23
S41	402	(stylet trocar) with (various types) with (tips distal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/21 14:50
S42	402	(stylet trocar) with (various types) with (tips tip distal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/21 14:50
S43	119	edge with bevel\$3 with (stylet trocar)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/21 16:04
S44	1237	bifurcated near3 (needle stylet tip trocar)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/21 16:43
S45	4	S39 and S44	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/21 16:43

S46	1237	bifurcated near3 (needle stylet tip trocar penetrator)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/21 16:44
S47	48	("2359550"   "2565865"   "3119391"   "3194237"   "3351059"   "3512520"   "3766919"   "3905371"   "3948261"   "4040421"   "4240423"   "4654034"   "4740205"   "4753641"   "4781697"   "4782841"   "4838877"   "5181524"   "5632728"   "6059737"   "6241710"   "6298541"   "6436086"   "6440104"   "D426305").PN. OR ("6726649").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/21 16:44
S48	3	S39 and S47	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/21 16:46
S49	54	S39 and (prong pronged)	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/21 16:46
S50	19	S49 and (trocar cannula obturator introducer)	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/21 16:47
S51	92	S46 and (trocar cannula obturator introducer)	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/21 16:50
S52	7469	"not" adj cut noncutting non adj cutting non-cutting S39	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/21 16:52
S53	1	S51 and S52	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/21 16:52
S54	1	S39 and S51	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/21 16:53
S55	4	S46 and S39	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/21 16:54
S56	104768	(split prong pronged bifurcat\$4) near3 (end needle stylet tip trocar penetrator)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/21 16:54
S57	38	S39 and S56	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/21 16:55
S58	19	S57 and (trocar cannula obturator introducer)	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/21 16:55

S59	1054	(forked fork-like forking) near3 (needle stylet tip trocar penetrator)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/21 17:12
S60	51	S59 and (trocar cannula obturator introducer)	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/21 17:12
S61	2020	atraumatic with (needle stylet tip trocar penetrator) and (trocar cannula obturator introducer)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/21 17:22
S62	5363	(forked fork-like forking bifurcat\$4 split) near3 (needle stylet tip trocar penetrator)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/21 17:23
S63	31	S61 and S62	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/21 17:23
S64	2	("2003/0125677").URPN.	USPAT	OR	ON	2010/01/21 17:28
S65	2049	(cannula introducer obturator trocar stylet needle) and 606/41-52. ccls.	USPAT	OR	ON	2010/01/21 17:31
S66	1	"20050159730"	USPAT	OR	ON	2010/01/21 17:33
S67	88	bifurcat\$4 with (stylet tip distal needle) and 606/41- 52.ccls.	USPAT	OR	ON	2010/01/21 17:34
S68	57	(cannula introducer obturator trocar) and S67	USPAT	OR	ON	2010/01/21 17:35
S69	85	(needle tip stylet) with (stabiliz\$3 fixat\$3) and 606/41-52.ccls.	USPAT	OR	ON	2010/01/21 17:38
S70	34	(cannula introducer obturator trocar) and S69	USPAT	OR	ON	2010/01/21 17:38



S71	155	("1879248"   "2008526"   "2038393"   "3556079"   "3595239"   "4016886"   "4119102"   "4204549"   "4311154"   "4402311"   "4411266"   "4448198"   "4470407"   "4474174"   "4524770"   "4552554"   "4565200"   "4568329"   "4682596"   "4719914"   "4753223"   "4800899"   "4813429"   "4823791"   "4860744"   "4905667"   "4907589"   "4919129"   "4943290"   "4950267"   "5007908"   "5025799"   "5071418"   "5122137"   "5197963"   "5234004"   "5249585"   "5273524"   "5366490"   "5370675"   "5385544"   "5403311"   "5409453"   "5529574"   "5531676").PN. OR ("5800378").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/21 17:40
S72	20	S39 near4 edge	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/21 17:46
S73	372	atraumatic near4 edge	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/21 17:47
S74	225	S73 and (trocar cannula stylet introducer obturator)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/21 17:48
S75	108	S74 and (energiz\$4 RF radiofrequency radio adj frequency radio-frequency HF high-frequency high adj frequency ablat\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/21 17:49
S76	2404	non-coring noncoring non adj coring noncore non- core non adj core	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/22 11:42

S77	56	S76 with edge	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/22 11:42
S78	673	S76 same needle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/22 11:46
S79	95	S76 same edge	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/22 11:47
S80	57512	edge same needle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/22 11:47
S81	34	S78 and S79 and S80	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/22 11:47
S82	6	("3071135").URPN.	USPAT	OR	ON	2010/01/22 11:49
S83	724	604/272.ccls. 604/274.ccls.	USPAT	OR	ON	2010/01/22 11:55
S84	65	("3175554").URPN.	USPAT	OR	ON	2010/01/22 11:57
S85	3699	biopsy with needle	USPAT	OR	ON	2010/01/22 12:09
S86	6	S76 and S85	USPAT	OR	ON	2010/01/22 12:10
S87	2	S76 and 606/41-52.ccls.	USPAT	OR	ON	2010/01/22 12:15
S88	1	("5910150").PN.	USPAT; USOCR	OR	OFF	2010/01/22 12:35
S89	0	S76 and S84	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/22 12:38

S90	35	(US-20080228104-\$ or US-20060253076-\$ or US-20070032821-\$ or US-20020198554-\$ or US-20040116953-\$ or US-20030125677-\$ or US-20030125675-\$ or US-20040220533-\$ or US-20050159730-\$).did. or (US-4960419-\$ or US-6361520-\$ or US-6352519-\$ or US-6379371-\$ or US-5025797-\$ or US-3630192-\$ or US-6478793-\$ or US-3906932-\$ or US-4686962-\$ or US-6425887-\$ or US-4840184-\$ or US-5314462-\$ or US-5624459-\$ or US-6077179-\$ or US-6159200-\$ or US-6258000-\$ or US-6478806-\$ or US-5873879-\$ or US-6730059-\$ or US-6517523-\$ or US-5752942-\$ or US-3788320-\$).did. or (US-3175554-\$ or US-3071135-\$).did. or (US-3906932-\$ or EP-1698318-\$).did.	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2010/01/22 12:38
S91	9	S90 and S76	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/22 12:38
S92	29741	remov\$4 near4 (cannula sheath introducer)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/22 13:02
S93	768	S92 and 606/41-52.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/22 13:02
S94	507	S92 and 606/41.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/22 13:03

S95	401	S94 and (punctur\$3 pierc\$4 penetrat\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/22 13:03
S96	338	S95 and (stylet trocar needle)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/22 13:04
S97	22887	remov\$4 near2 (cannula sheath introducer)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/22 13:07
S98	11160	S97 and (punctur\$3 pierc\$4 penetrat\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/22 13:08
S99	302	S98 and 606/41.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/22 13:08
S100	256	S96 and S99	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/22 13:08
S101	148	remov\$4 near2 (cannula sheath introducer) with expos\$3 near3 (stylet needle punctur\$4 pierc\$4 penetrat\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/22 13:22
S102	0	S101 and 606/41-52.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/22 13:23
S103	193	remov\$4 near3 (cannula sheath introducer) with expos\$3 near3 (stylet needle punctur\$4 pierc\$4 penetrat\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/22 13:23

S104	270	remov\$4 near3 (cannula sheath introducer) with (expos\$3 remain\$3) near3 (stylet needle punctur\$4 pierc\$4 penetrat\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/22 13:23
S105	2	S104 and 606/41-52.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/22 13:24
S106	26645	(needle stylet trocar ) with (electrode conductive)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/22 13:43
S107	217652	(remov\$4 retract\$4 withdraw\$3) near4 (sheath sleeve cannula shaft introducer)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/22 13:44
S108	2239	S106 and S107	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/22 13:44
S109	72360	(rigid hard firm) near4 (sheath sleeve cannula shaft introducer)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/22 13:45
S110	585	S108 and S109	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/22 13:45
S111	312	S110 and 606/41-52.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/22 13:45

**EAST Search History (Interference)**

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**1/ 22/ 2010 3:53:51 PM**

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